

Safety Data Sheet

Revision Date: 24.02.2025

Print Date: Monday, 24 February 2025

Sodium Metabisulphate

Classification of Product:

Classified as **HAZARDOUS** according to criteria of the Globally Harmonised System of Classification and Labelling of Chemicals 3rd Revised Edition.

1. IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

- a. Product name: Sodium Metabisulphate
 - b. Other means of identification:
 - c. Recommended use of the chemical
For industrial use, food additive, reducing agent, whitening agent, for professional use.
 - d. Manufacturer details:
Dalcon Hygiene
36 Victoria St Smithfield
NSW 2164
Australia
PH: (02) 9604 1155
FAX: (02) 9604 9055
Email: admin@dalconhygiene.com.au
 - e. Poisons information centre: 13 11 26
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2. HAZARD(S) IDENTIFICATION

- a. Classification of the chemical:

Classified as **HAZARDOUS** according to criteria of the Globally Harmonised System of Classification and Labelling of Chemicals 3rd Revised Edition.

Eye Damage/Irritation: Category 2A

- b. Signal word: **DANGER**

c. Pictogram(s): Corrosive, exclamation



Hazard statement(s)

H302: Harmful if swallowed

H318: Causes Serious eye damage

AUH031: Contact with acids liberates toxic gas

Precautionary Statement(s)

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

Prevention:

P280: Wear protective gloves/protective clothing/eye protection/face protection

P270: Do not eat, drink or smoke when using this product.

P264: Wash exposed skin thoroughly after handling.

Response:

P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312: Call a POISON centre or doctor if you feel unwell.

Storage:

P403+233: Store in a well-ventilated place. Keep container tightly closed.

P405: Store locked up.

Disposal: P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Poisons Schedule (SUSMP): 5

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Components	CAS number	Proportion	Hazard Codes
Sodium Metabisulphite	7681-57-4	>=90%	H318, H302

4. FIRST-AID MEASURES

For advice, contact a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor

Inhalation:

Remove victim from immediate source of exposure and ensure the victim is breathing. If breathing is difficult, administer oxygen if available. If victim is not breathing, administer CPR. Seek immediate medical attention.

Skin Contact:

In case of contact, immediately wash with plenty of soap and water for at least 15 minutes. Seek medical attention if irritation develops or persists. Remove contaminated clothing. Clean contaminated clothing before re-use.

Eye Contact:

Hold eyelids open and flush with water for at least 15 minutes. Seek immediate medical attention.

Ingestion:

If victim is conscious and alert, give 1-2 glasses of water to drink. Do not give anything by mouth to an unconscious person. Seek immediate medical attention. Do not leave victim unattended.

Indication of immediate medical attention and special treatment needed:

None known.

5. FIRE-FIGHTING MEASURES

Hazchem or Emergency Action Code: None assigned.

a. **Suitable extinguishing equipment:**

Water spray, alcohol resistant foam, dry chemical or carbon dioxide.

b. **Specific hazards arising from the chemical**

Product is a non-flammable solid.

Hazardous products of combustion include; carbon oxides, Sodium oxides.

c. **Special protective equipment and precautions for fire fighters:**

Firefighters should wear a self-contained breathing apparatus and protective firefighting clothing.

Clean area of non-emergency personnel. Stay upwind. Keep out of low areas. Eliminate ignition sources. Move fire exposed containers from the fire area if safe to do so.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Slippery when spilt, avoid accidents and clean up immediately.

Clear the area of personnel.

Stop leak if safe to do so.

Avoid creating dust. Wear protective eye goggles, gloves and face mask.

Environmental precautions:

Keep away from drains and surface and ground water

Methods and materials for containment and cleaning up:

Containment: store in a bunded area

Clean up procedures: Wear protective eye goggles, gloves and face mask. Clean up using a shovel and a dust binding material or an industrial vacuum cleaner. Transfer to a suitable, labelled container for disposal.

7. HANDLING AND STORAGE, INCLUDING HOW THE CHEMICAL MAY BE SAFELY USED

a. **Precautions for safe handling**

Avoid skin and eye contact and breathing dust. Use in a well ventilated area.

Ensure an eye bath and safety shower are available for use.

Keep out of reach of children.

Avoid eating, drinking or, smoking when using this chemical.

Wash hands after use.

Remove contaminated clothing and protective equipment after using chemicals and before entering eating areas.

Take precautions against static discharges by bonding and grounding equipment.

b. **Conditions for safe storage, including incompatibilities.**

Store in cool place and out of direct sunlight.

Store in a bunded area.

Store away from foodstuffs.

Store away from incompatible materials described in Section 10.

Store in original packaging as approved by manufacturer.

Keep containers closed when not in use - check regularly for leaks.

Protect against physical damage and static discharges.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

a. General: Safe Work Australia (SWA) Exposure Standard for Sodium Metabisulphite (CAS No. 7681-57-4)

- Time weighted average (TWA): 5mg/m³
- DNEL Values
- Inhalation (Worker): 225 mg/m³ (long-term, Systemic effects)
- Inhalation (Consumer): 66mg/m³ (Long-term, Local Effects)
- Inhalation (Consumer): 8.6mg/kg (long-term, Local effects)

b. Biological limits: PNEC Values for Sodium Metabisulphite (CAS No. 7681-57-4)

- Freshwater: 1mg/l
- Marine water: 0.1mg/l
- Sewage treatment (microorganisms): 75.4mg/l

c. Engineering controls: An exhaust/ducting system is recommended to keep exposure low. Adequate ventilation should be provided so that exposure limits are not exceeded.

- d. Individual Protection measures:
- Face mask/ respirator: Air purifying respirator with cartridges approved for use against dusts
 - Eyes: protective goggles should be worn when handling the product
 - Hands: Wear suitable, impervious gloves
 - Clothing: Long sleeved protective clothing and safety footwear.
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9. PHYSICAL AND CHEMICAL PROPERTIES

- a. Physical state: Solid (Powder)
 - b. Colour: white
 - c. Odour: Pungent
 - d. pH: 3.5 – 5.0 (5%)
 - e. Melting point: >150°C
 - f. Initial boiling point and boiling range: 1461°C
 - g. Flash point: NA
 - h. Evaporation rate: NA
 - i. Flammability: Non-Flammable
 - j. Vapour pressure: NA
 - k. Relative density: NA
 - l. Solubility: Soluble in Water
 - m. Auto-ignition temperature: NA
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10. STABILITY AND REACTIVITY

- a. Chemical stability: Product is stable under normal conditions of use, storage and temperature.
 - b. Conditions to avoid: Extreme heat; hygroscopic. Protect from moisture. Mixing of acid and sodium carbonate solutions could cause carbon dioxide evolution.
 - c. Incompatible materials: Aluminium Fluoride, Humid air, sulfuric acid, magnesium, phosphorus pentoxide.
 - d. Hazardous decomposition products: Decomposition temperature: 400°C, decomposition temperature: carbon dioxide.
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11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs include but are not limited to:

General information:

No Data for this product, however for the constituent SODIUM CARBONATE:

- Acute eye irritation: 25mg/kg (Rabbit), severely irritating, muscle contraction or spasms

- Acute skin irritation: 500mg/24hr (Rabbit), mildly irritating
- Acute dermal toxicity: LD50 Rabbit: 2,000mg/kg
- Acute inhalation toxicity: LD50 – lethal concentration. 50% of test species, 2,300 mg/cu m/2hr, rat
- Acute oral toxicity: Rat LD50 > 1,540 mg/kg

Ingestion:

Swallowing can result in nausea, vomiting, diarrhoea, and gastrointestinal irritation.

Skin corrosion/irritation:

Contact with skin may cause irritation. May cause skin sensitisation in sensitive individuals. Repeated or prolonged skin contact may lead to allergic contact dermatitis.

Serious eye damage/irritation:

Eye contact may cause irritation.

Respiratory or skin sensation:

Breathing in dusts may produce respiratory irritation

12. ECOLOGICAL INFORMATION

a. Ecotoxicity:

No Data for this product, however for the constituent SODIUM CARBONATE:

Toxicity to fish: LC50 – *Lepomis macrochirus* (Bluegill) – 300mg/L – 96h

b. Persistence and degradability: This material is biodegradable

c. Bio-accumulative potential: No information available

13. DISPOSAL CONSIDERATIONS

Refer to Waste Management Authority. Dispose of material through a licensed waste contractor. Decontamination and destruction of containers should be considered.

Do not allow waste to enter waterways.

14. TRANSPORT INFORMATION

This product is **NOT** classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail.

This product is **NOT** classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

This product is **NOT** classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

15. REGULATORY INFORMATION

This product is **HAZARDOUS** according to Safe Work Australia; **HAZARDOUS SUBSTANCE**

Hazard statement(s)

H318: Causes serious eye damage

H335: May cause respiratory irritation

Poisons Schedule (SUSMP): 5

16. OTHER RELEVANT INFORMATION

This Safety Data Sheet (SDS) has been prepared by Dalcon Hygiene

Reason(s) for Issue:

- Alignment to GHS requirements

This SDS summarises to the best of our knowledge at the date of issue, the chemical health and safety hazards of the material and provides general guidelines on how to safely handle the material. Dalcon Hygiene cannot anticipate or control the conditions under which the product may be used, stored and transported, therefore, each user must, prior to usage, assess and control the possible risks.

If clarification or further information is required, the user should contact Dalcon Hygiene at the contact details in section 1d.

By using this product, the user agrees that they have read and understood this SDS, and, knowing the risks associated with the product, wish to use the product.